

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL101024\
 Data File : VL041653.D
 Acq On : 10 Oct 2024 22:00
 Operator : SY/MD
 Sample : P4368-13 0.45
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 LOD-MDL-AIR-01-QT4-2024

Quant Time: Oct 11 05:45:40 2024

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL091624AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 2

QLast Update : Tue Sep 17 09:12:21 2024

Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : Semsettin Yesilyurt 10/11/2024
 Supervised By : Mahesh Dadoda 10/14/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Bromochloromethane	5.173	49	999648	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.636	114	2736150	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.452	117	2438203	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.761	95	1859606	10.361	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	= 103.600%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.706	85	88596	0.614	ppbv	100
3) Chlorodifluoromethane	2.652	51	60016	0.495	ppbv	98
4) Chloromethane	2.793	50	33804	0.507	ppbv	97
5) Vinyl Chloride	2.899	62	28193	0.488	ppbv	92
6) Bromomethane	3.099	94	13030	0.454	ppbv	90
7) Chloroethane	3.173	64	9349	0.416	ppbv	95
8) Dichlorotetrafluoroethane	2.832	85	75834	0.501	ppbv	99
9) Propene	2.668	41	20899	0.409	ppbv	84
10) Heptane	7.565	43	38376	0.320	ppbv	90
11) Trichlorofluoromethane	3.539	101	71931	0.468	ppbv	99
12) 1,1,2-Trichlorotrifluo...	4.044	101	51640	0.464	ppbv	95
13) Ethanol	3.240	45	1381m	0.359	ppbv	
14) Bromoethene	3.343	108	17008	0.403	ppbv #	89
15) Acetone	3.465	43	65445	0.521	ppbv #	88
16) 1,3-Butadiene	2.960	39	26906	0.441	ppbv	95
17) tert-Butyl alcohol	3.877	59	42223m	0.383	ppbv	
18) 1,1-Dichloroethene	3.857	96	21233	0.451	ppbv	91
19) Isopropyl Alcohol	3.578	45	21728m	0.338	ppbv	
20) Methylene Chloride	3.909	84	23837	0.506	ppbv	97
21) Allyl Chloride	3.980	41	27567	0.379	ppbv #	81
22) trans-1,2-Dichloroethene	4.423	96	21132m	0.450	ppbv	
23) Vinyl Acetate	4.613	43	27793	0.403	ppbv #	93
24) 1,1-Dichloroethane	4.542	63	52257	0.504	ppbv	97
25) Ethyl Acetate	5.198	43	92261	0.410	ppbv	97
26) Hexane	5.192	57	33803	0.360	ppbv #	80
27) Carbon Disulfide	4.108	76	35814m	0.359	ppbv	
28) Methyl tert-Butyl Ether	4.581	73	24164m	0.417	ppbv	
29) Chloroform	5.253	83	69736	0.454	ppbv	86
30) Cyclohexane	6.584	84	19890	0.275	ppbv #	79
31) cis-1,2-Dichloroethene	5.060	61	32443	0.364	ppbv	97
32) 1,1,1-Trichloroethane	5.983	97	62338	0.455	ppbv	95
34) 2-Butanone	4.784	43	54959	0.421	ppbv	99
35) Carbon Tetrachloride	6.475	117	61859	0.461	ppbv #	86
36) Benzene	6.353	78	70672	0.372	ppbv	95
37) 1,2-Dichloroethane	5.790	62	46623	0.423	ppbv #	96
38) Trichloroethene	7.282	130	39270m	0.401	ppbv	
39) 1,2-Dichloropropane	7.054	63	29934	0.387	ppbv	89
40) 1,4-Dioxane	7.330	88	5576m	0.191	ppbv	
41) Tetrahydrofuran	5.571	42	22284m	0.310	ppbv	
42) Bromodichloromethane	7.234	83	63535	0.414	ppbv #	98
43) Methyl Methacrylate	7.475	69	19070m	0.280	ppbv	
44) 2,2,4-Trimethylpentane	7.314	57	107516	0.327	ppbv #	80
45) t-1,3-Dichloropropene	8.697	75	14003m	0.255	ppbv	

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.131	75	23203	0.289	ppbv	93
47) 1,1,2-Trichloroethane	8.883	97	35470	0.432	ppbv	96
48) Dibromochloromethane	9.693	129	43511m	0.350	ppbv	
49) Bromoform	12.394	173	36252m	0.340	ppbv	
50) 4-Methyl-2-Pentanone	8.192	43	61341m	0.304	ppbv	
51) 2-Hexanone	9.561	43	42302m	0.278	ppbv	
52) Tetrachloroethene	10.603	164	27175m	0.395	ppbv	
53) Toluene	9.208	91	55629	0.276	ppbv	99
54) 1,2-Dibromoethane	9.996	107	39965m	0.395	ppbv	
56) 1,1,1,2-Tetrachloroethane	11.497	131	43988	0.462	ppbv #	1
57) Chlorobenzene	11.507	112	85252	0.485	ppbv	96
58) Ethyl Benzene	12.076	91	76922m	0.295	ppbv	
59) m/p-Xylene	12.362	91	152189m	0.655	ppbv	
60) o-Xylene	13.047	91	65624	0.295	ppbv	96
61) Styrene	12.889	104	21499m	0.231	ppbv	
62) Isopropylbenzene	14.018	105	126212m	0.374	ppbv	
63) 1,1,2,2-Tetrachloroethane	13.044	83	57698	0.507	ppbv	97
64) n-propylbenzene	14.912	120	29914	0.343	ppbv	89
65) tert-Butylbenzene	16.085	119	105163	0.340	ppbv	90
66) Benzyl Chloride	16.317	91	6769m	0.421	ppbv	
67) sec-Butylbenzene	16.629	105	153767	0.358	ppbv	98
69) p-Isopropyltoluene	16.989	119	106643	0.307	ppbv	94
70) n-Butylbenzene	17.883	91	115247m	0.317	ppbv	
71) 2-Chlorotoluene	14.790	91	80291	0.323	ppbv	99
72) 4-Ethyltoluene	15.182	105	71927	0.276	ppbv #	86
73) 1,3,5-Trimethylbenzene	15.339	105	68286	0.297	ppbv	93
74) 1,2,4-Trimethylbenzene	16.098	105	95705	0.356	ppbv	98
75) 1,3-Dichlorobenzene	16.323	146	68422m	0.406	ppbv	
76) 1,4-Dichlorobenzene	16.458	146	63687m	0.394	ppbv	
77) 1,2-Dichlorobenzene	17.137	146	68638m	0.412	ppbv	
78) Hexachloro-1,3-Butadiene	22.612	225	59042m	0.430	ppbv	
79) Naphthalene	21.381	128	36277m	0.183	ppbv	
80) Naphthalene,2-methyl-	24.429	142	11615m	0.084	ppbv	
81) 1,2,4-Trichlorobenzene	21.127	180	25878m	0.206	ppbv	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Manual Integrations APPROVED

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Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug
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